Patent claims

1. Distributor element, in particular a feed distributor, for the metering of lubricants for lubricating installations, with a valve piston (1) featuring a bore (2), which valve piston moves under the pressure of a lubricant operating at a lubricant inlet (6) against the force of a return spring (7) from a starting position in which the bore (2) releases a connection between a dispensing chamber (3) and a metering chamber (4) via a connecting passage (5), to a metering position in which the valve piston (1) releases a passage (8) from the lubricant inlet (6) to the connecting passage (5) and therefore to the metering chamber (4). Furthermore the distributor element features a dispensing piston (9) which under the effect of a lubricant entering the metering chamber (4) moves against the force of a second return spring (10) from a starting position and thereby displaces the lubricant volume present in the dispensing chamber (3) between the valve piston (1) and the dispensing piston (9) through a lubricant outlet (11), whereby the valve piston (1) may also be moved into an intermediate position in which position the valve piston blocks the passage (8) from the lubricant inlet (6) to the connecting passage (5) and therefore to the metering chamber (4) and whereby upon pressure relief at the lubricant inlet (6), the valve piston (1) is moved back to its starting position by the first return spring (7) and the dispensing piston (9) is moved back to its starting position by the second return spring (10).

2. Distributor element as per claim 1, **characterised by the fact that** an essentially hollow cylindrical supporting body (12) for the two return springs (7, 10) is arranged between the first return spring (7) and the second return spring (10).

3. Distributor element as per claim 1 or 2, **characterised by the fact that** the valve piston (1), the dispensing piston (9), the supporting body (12) and the two return springs (7, 10) are arranged in a mutually axial configuration in a common passage (13) of a valve housing (14).

4. Distributor element as per one of the preceding claims, **characterised by the fact that** the second return spring (10) is a spiral coiled spring surrounding the dispensing piston (9).

5. Distributor element as per one of the preceding claims, **characterised by the fact that** the second return spring (10) which is a spiral coiled spring in any case with its end facing the valve piston (1) surrounds the first return spring (7) which also is a spiral coiled spring.

6. Distributor element as per one of the preceding claims, **characterised by the fact that** the first return spring (7) in the form of a spiral coiled spring, is accommodated with its end that faces the dispensing piston (9) in a cylindrical supporting body (12) which is surrounded by the second return spring (10) that also is a spiral coiled spring.

7. Distributor element as per claim 6, **characterised by the fact that** the second return spring (10) is braced on a bottom flange (23) of the supporting body (12).

8. Distributor element as per one of the preceding claims, **characterised by the fact that** the supporting body (12) is braced on a bearing shoulder (21) of the valve housing (14), this shoulder being at the opposite end from the valve piston (1).